

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appl. No. 09/826,308
Attorney Docket No.: Q63977

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. - 7. (canceled).

8. (currently amended): ~~The program according to Claim 7, wherein said program enables the computer further to implement:~~ A program for enabling a computer to perform a process for reading and outputting printing data, which controls a printer, wherein said program enables the computer to implement:

a determining process for determining whether or not a print spooling file includes information for specifying one file among plural files that include printing data, said information being stored separately from the plural files;

a process for reading said print spooling file to refer to information for specifying said file when a determination is made that the print spooling file includes the information for specifying the file;

a process for reading the specified file to output printing data included in the file; and

a process for deleting a file including the outputted printing data;

a process for determining whether or not the print spooling file includes information concerning an instruction of plural sets of printing;

a process for reading the specified file to create and record a file comprising printing data in a unit of page;

~~instead of a process for reading the specified file to output~~ outputting printing data included in the file when it is determined that the print spooling file includes information concerning an instruction of plural sets of printing; and

a process for referring to said file comprising printing data in a unit of page in accordance with an instruction of plural sets of printing to output the printing data in a unit of page plural times.

9. and 10. (canceled).

11. (previously presented): A program for enabling a computer to perform a printing process, wherein said program enables the computer to implement:

a process for creating printing data, which controls a printer, in accordance with a printing instruction from a computer operator;

a process for determining whether or not a print processor can control transfer to a printer in accordance with printing data created by the computer;

a process for creating a file recording a command for controlling the printer when it is determined that the print processor can control transfer to the printer in accordance with printing data created by the computer; and

a process for creating data, which include information for specifying said file, separately from said file.

12. (original): The program according to Claim 11, wherein
said command for controlling the printer includes a cancellation command for stopping printing.

13. (original): A computer creating printing data, which controls a printer, in accordance with a printing instruction from a computer operator, comprising:

means for creating a file, into which a command for controlling the printer is recorded;
and

means for creating data, which include information for specifying said file, separately from said file.

14. (previously presented): A program for enabling a computer to perform a process for reading and outputting printing data controlling a printer, wherein said program comprising:

a process for reading a print spooling file, which includes information for specifying one file among plural files that include printing data, and information for specifying a file into which a command for controlling the printer is recorded, and controlling transfer to the printer;

a process for reading a first file including the printing data, which is specified by said print spooling file stored separately from the first file, and outputting the printing data from the first file;

a process for determining during the reading of said first file whether a second file, which is specified by said print spooling file and into which a command for controlling a printer is recorded, has been updated or not; and

a process for reading said second file when a determination is made that said second file has been updated to output a command for controlling the printer.

15. (original): The program according to Claim 14, wherein
said command for controlling the printer includes a cancellation command for stopping printing.

16. (previously presented): A computer for outputting printing data to a printer,
comprising:

means for creating a first file, into which a command for controlling the printer is recorded;

means for creating a second file comprising printing data;

means for reading said second file to output the printing data;

means for determining during the reading of said second file whether said first file has been updated or not; and

means for reading said first file when a determination is made that said first file has been updated, and outputting the command for controlling the printer.

17. (currently amended): A storing medium readable for a computer, into which the program according to any one of Claims ~~1, 2, 3, 4, 7, 8~~, 11, 12, 14 and 15 is recorded.

18. (withdrawn): A computer system for printing data, comprising:

a computer comprising:

a printer driver dividing print data into a plurality of fragments and storing each of the plurality of fragments into a respective sub-file, storing a control file comprising print control commands, and generating a sub-file name for each sub-file and a print control name for the print control file;

a spooler receiving the generated sub-file names and the print control name transmitted by the printer driver and creating a spool file by storing therein a plurality of sub-file names, each identifying the stored respective sub-file, and by storing therein the print control name identifying the print control file;

a print processor accesses the spooling file to read the stored sub-file names in a predetermined order and to read the print control name, and

a printer receiving in a predetermined order each of the read stored sub-files and the print control file,

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wherein the print processor retrieves in a predetermined order each of a plurality of sub-files and each of a plurality of print commands based on the spool file and transmits to the printer the retrieved sub-file and print command while reading next sub-file name from the spool file.

19. (withdrawn): The computer system for printing data according to claim 18, wherein each of the plurality of sub-files comprises a plurality of packets, each of the plurality of packets comprises packet code, packet identification, and packet data.